

# SWP 7-Day Water Quality Summary Report - Northbay Aqueduct

For dates: 5/29/2011 to 6/5/2011

This water quality report is produced by the Department of Water Resources, Division of Operations and Maintenance, Water Quality Section.  
All data are provisional and subject to change.

To view WQ data from the automated stations along the SWP, visit:  
[http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation\\_map.cfm](http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm)  
and use the map to click on a station name to link to the station's data on the California Data Exchange Center (CDEC) website.

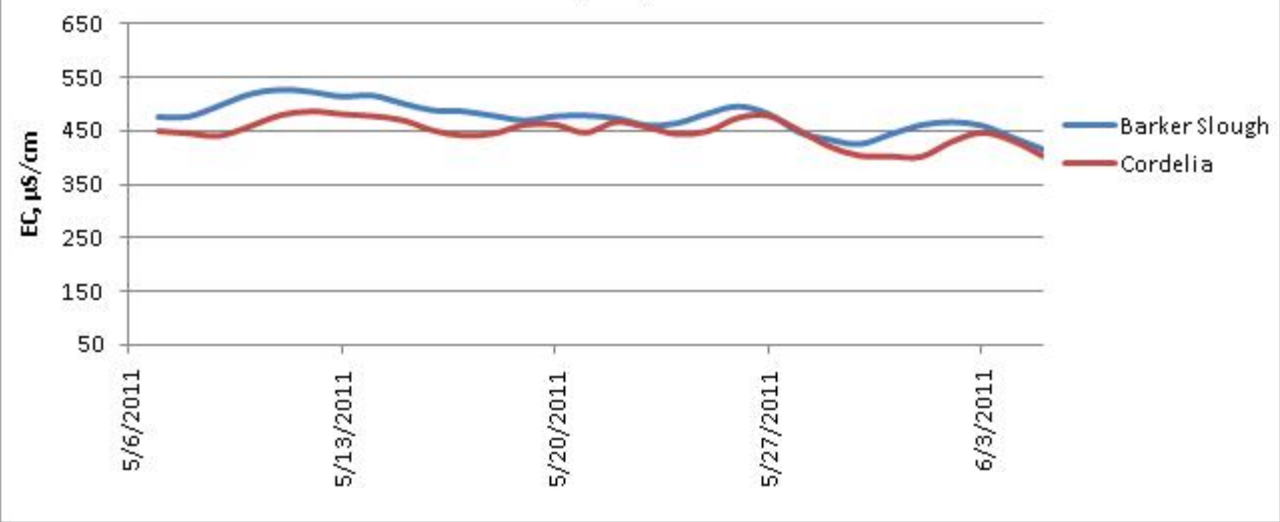
## Weekly summary

North Bay Aqueduct	5/29/2011	6/5/2011	% Change	7-Day Average
Barker Slough				
Salinity (EC), µS/cm	435	417	-5	446
Temperature, °C	17.2	17.6	+ 2	17.4
Turbidity, NTU	32.6	34.2	+ 4	30.6
pH	7.6	7.4	-3	7.5
Cordelia Pumping Plant				
Salinity (EC), µS/cm	421	403	-5	417.1
Temperature, °C	17.1	17.1	<1	17.2
Turbidity, NTU	28.2	28.4	<1	25.3

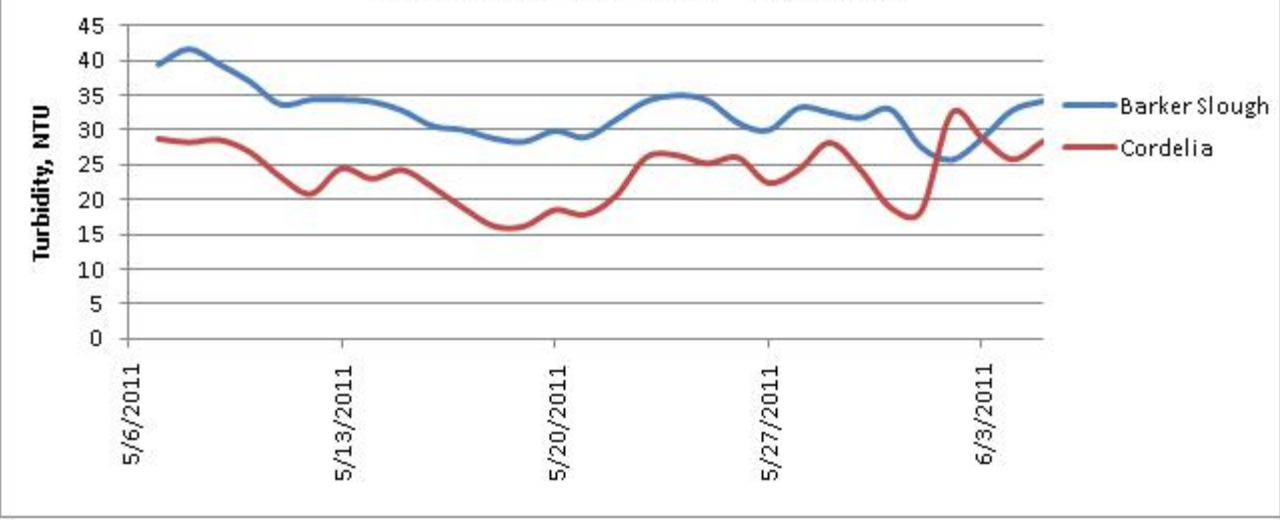
## Notes (updated on 6/5/2011)

## 30-Day Charts for Selected Sites:

Northbay Aqueduct - EC



Northbay Aqueduct - Turbidity



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## Weekly summary

South Bay Aqueduct	5/29/2011	6/5/2011	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S/cm}$	200	225	+ 12	221
Temperature, $^{\circ}\text{C}$	16.5	16.8	1	16.8
Turbidity, NTU	26.6	29.0	+ 8	31.2
pH	7.4	7.4	-1	7.4
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S/cm}$	224	m	---	222
Temperature, $^{\circ}\text{C}$	17.3	m	---	16.7
Turbidity, NTU	20.7	m	---	28.6
pH	7.6	m	---	7.6
UVA @ 254nm (u/cm)	0.076	m	---	0.076
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S/cm}$	208	216	+ 3	206
Temperature, $^{\circ}\text{C}$	17.7	17.6	-1	17.1
Turbidity, NTU	14.4	31.3	+ 117	21.5
pH	8.6	7.9	-9	8.2
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S/cm}$	m	274	---	263
Temperature, $^{\circ}\text{C}$	m	13.3	---	13.4
Turbidity, NTU	m	7.8	---	8.4
pH	m	8.0	---	8.0
Vallecitos (VSB)				
Salinity (EC), $\mu\text{S/cm}$	211	221	+ 4	210

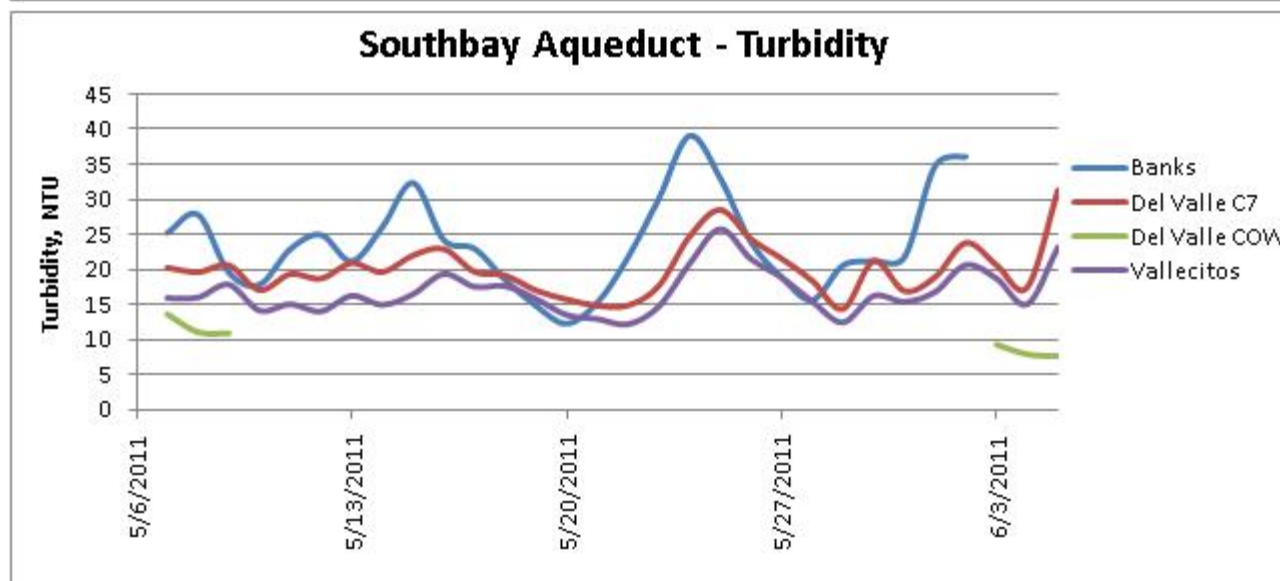
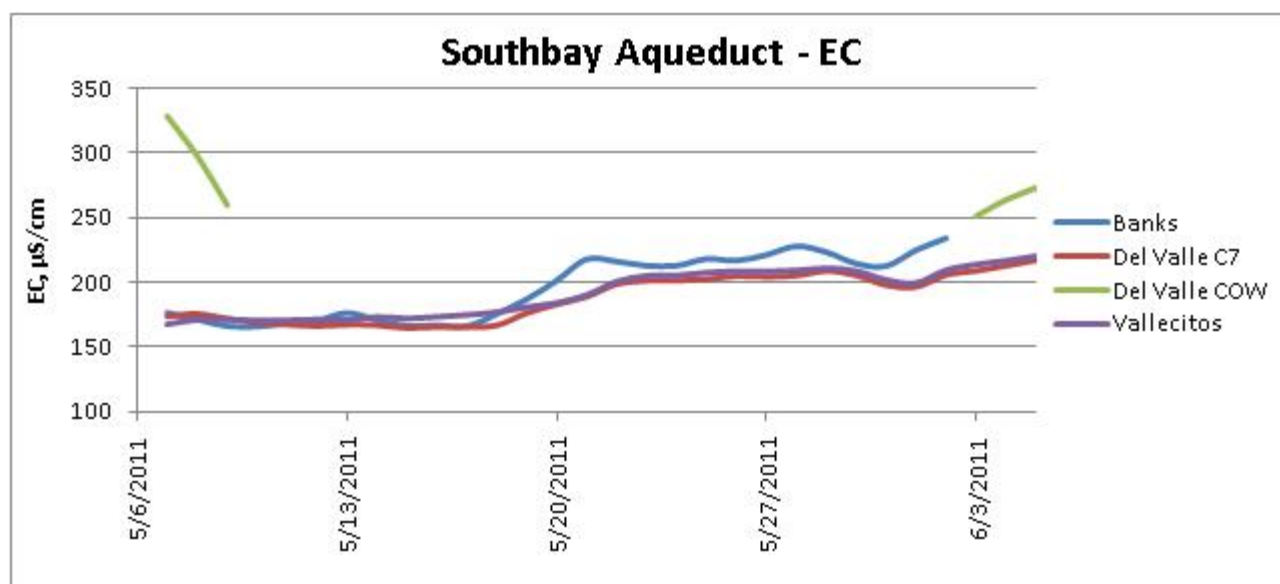
Temperature, °C	17.3	17.4	<1	16.8
Turbidity, NTU	12.5	23.1	+ 84	18.0
pH	8.3	7.7	-8	8.0

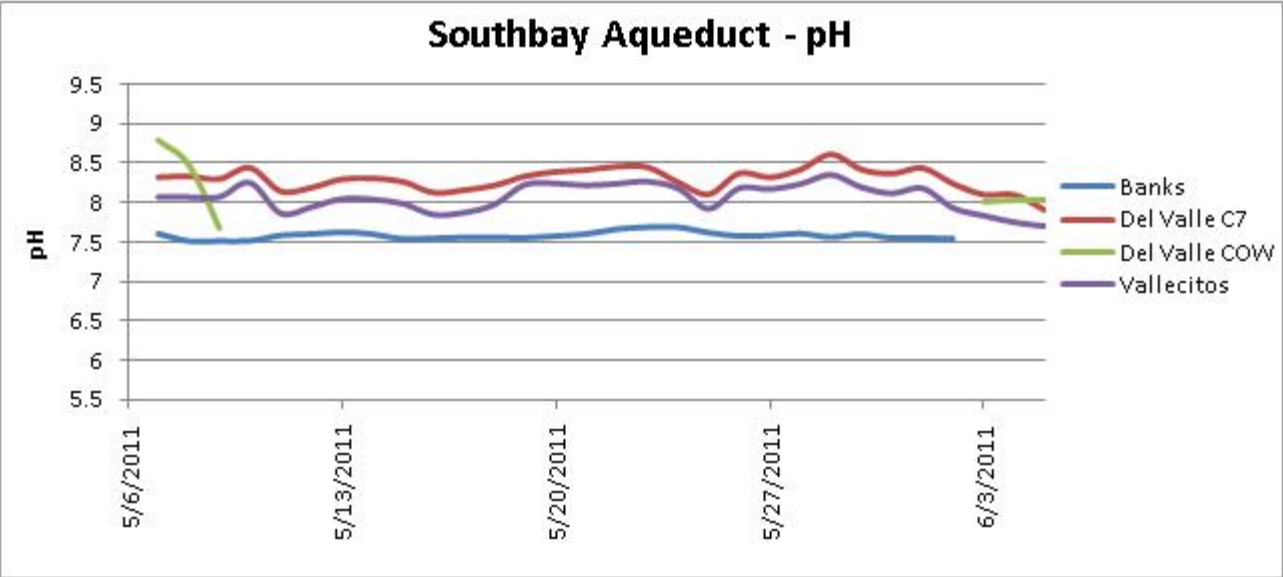
## Notes (updated on 6/5/2011)

**Taste and Odor:** MIB and geosmin concentrations in SWP water sampled on 5/31/2011 ranged from ND to 3 ng/L at Clifton Court Inlet, Banks Pumping Plant (HBP), O'Neill Forebay Outlet (Check 13), Del Valle Check 7, San Luis Reservoir, and Pacheco Pumping Plant Outlet.

**Banks Pumping Plant (HBP):** Communications down at HBP.

## 30-Day Charts for Selected Sites:





# SWP 7-Day Water Quality Summary Report - California Aqueduct

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## Weekly summary

California Aqueduct	5/29/2011	6/5/2011	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), µS/cm	200	225	+ 12	221
Temperature, °C	16.5	16.8	1	16.8
Turbidity, NTU	26.6	29.0	+ 8	31.2
pH	7.4	7.4	-1	7.4
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), µS/cm	224	m	---	222
Temperature, °C	17.3	m	---	16.7
Turbidity, NTU	20.7	m	---	28.6
pH	7.6	m	---	7.6
UVA @ 254nm (u/cm)	0.076	m	---	0.076
O'Neill Forebay Outlet (C13)				
Salinity (EC), µS/cm	347	211	-40	295
Temperature, °C	14.9	17.0	+ 13	15.9
Turbidity, NTU	15.3	26.8	+ 74	18.7
pH	8.3	7.7	-8	8.1
Check 21 (C21)				
Salinity (EC), µS/cm	332	336	1	336
Temperature, °C	17.4	16.8	-4	17.4
Turbidity, NTU	5.2	5.0	-4	5.2
pH	8.3	8.3	-1	8.3
Check 29 (C29)				
Salinity (EC), µS/cm	326	409	+ 25	370

Temperature, °C	19.9	19.0	-5	19.4
Turbidity, NTU	9.6	12.8	+ 32	11.3
pH	8.2	8.6	+ 5	8.3

## Edmonston Pumping Plant (EDP)

UVA @ 254nm (u/cm)	0.101	0.093	-8	0.100
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## Check 41 (C41)

Salinity (EC), µS/cm	256	m	---	---
Temperature, °C	14.0	16.9	+ 21	16.0
Turbidity, NTU	11.4	10.4	-9	10.2
pH	7.7	7.4	-5	7.3

## Castaic Lake Outlet (CSO)

Salinity (EC), µS/cm	455	457	<1	456
Temperature, °C	19.1	19.4	1	19.3
Turbidity, NTU	1.2	1.1	-9	1.1
pH	7.4	7.5	<1	7.4

## Check 66 (C66)

Salinity (EC), µS/cm	252	253	<1	264
Temperature, °C	18.2	18.4	1	18.3
Turbidity, NTU	6.1	7.1	+ 15	6.1

## Devil Canyon 2nd Afterbay (DC2)

Salinity (EC), µS/cm	242	267	+ 10	256
Temperature, °C	21.8	21.1	-4	21.6
Turbidity, NTU	2.7	2.0	-26	2.2

**Notes (updated on 6/5/2011)****Non-project water turn-ins:**

Jan 2011 Total Turn-in Volume = 6 AF

Feb 2011 Total Turn-in Volume = 2,638 AF

Mar 2011 Total Turn-in Volume = 103 AF

April 2011 Total Turn-in Volume = 7,905 AF

May 1 - 31, 2011 Total Turn-in Volume = 48,742 AF

June 1 - 5, 2011 Total Turn-in Volume = 4,023 AF

**Floodwater inflows:**

Jan 2011 Total Inflow Volume = 746 AF

Feb 2011 Total Inflow Volume = 637 AF

Mar 2011 Total Inflow Volume = 2,909 AF

April 2011 Total Inflow Volume = 2,394 AF

May 1 - 31, 2011 Total Inflow Volume = 2,273.8 AF

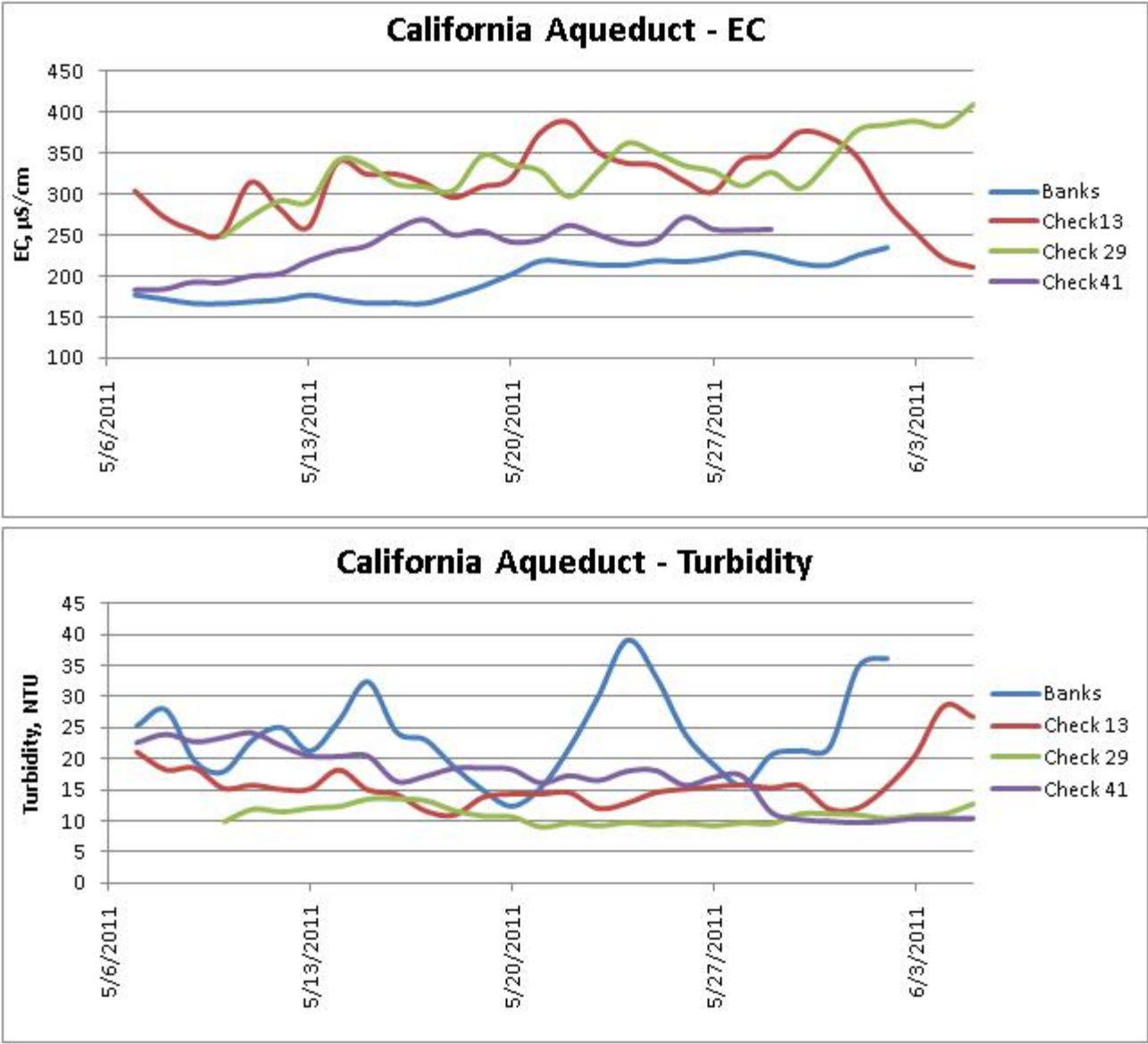
June 1 - 5, 2011 Total Inflow Volume = 81 AF

**Taste and Odor:** MIB and geosmin concentrations in SWP water sampled on 5/31/2011 ranged from ND to 3 ng/L at Clifton Court Inlet, Banks Pumping Plant (HBP), O'Neill Forebay Outlet (Check 13), Del Valle Check 7, San Luis Reservoir, and Pacheco Pumping Plant Outlet.

**Check 41:** EC data unavailable at Check 41 due to malfunctioning instruments.

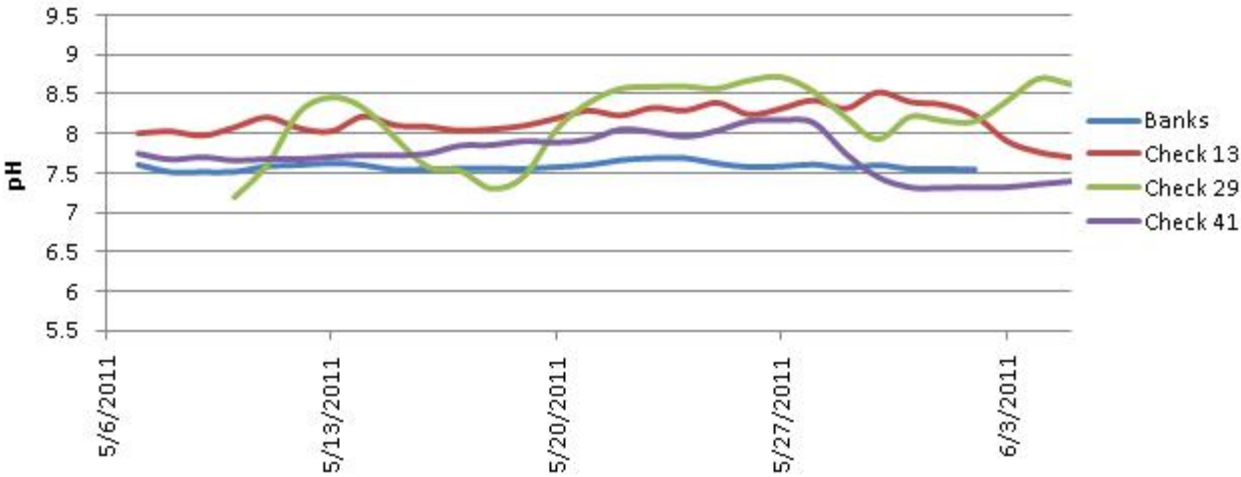
**Banks Pumping Plant (HBP):** Communications down at HBP.

**30-Day Charts for Selected Sites:**





### California Aqueduct - pH



### California Aqueduct - UVA254

